

MENU

SEARCH

INDEX

1/1



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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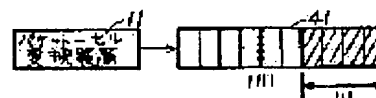
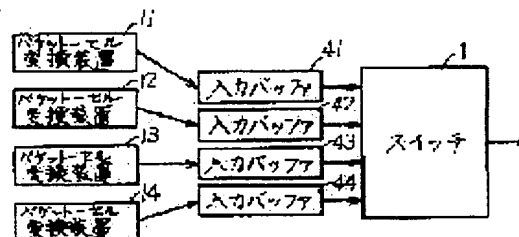
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(54) METHOD AND DEVICE FOR SETTING TRANSMISSION STOP THRESHOLD LEVEL FOR BACK PRESSURE CONTROL IN INPUT BUFFER EXCHANGE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To set optimizngly a transmission stop threshold level by setting the threshold level in the vicinity of a number in which a data amount stored in a buffer takes part in contention and applying back pressure when the data amount exceeds the threshold level.

**SOLUTION:** Suppose that an input buffer type ATM exchange is fixed to, e.g. incoming line 4× outgoing line 4. Input buffers 41 to 44 are provided to a pre-stage of an ATM switch 1 and a cell from packet-cell exchanges 11 to 14 are received sequentially to the input buffers 41 to 44. Then the ATM switch 1 adopts the algorithm by which &omega;-sets from the head of the input buffer 41 take part in contention for one slot and when a queue length of the input buffer 41 is within a threshold level TH1, back pressure control to stop transmission from the packet-cell exchange 11 to the input buffer 41 is started.



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